

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaldrich.com

Email USA: techserv@sial.com

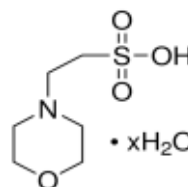
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Product Specification

Product Name:
MES hydrate - ≥99.5% (titration)

Product Number: **M8250**
CAS Number: 1266615-59-1

Formula: C₆H₁₃NO₄S · xH₂O
Formula Weight: 195.24 g/mol



TEST	Specification
Appearance (Color)	White
Appearance (Form)	Crystalline Powder
Solubility (Color)	Colorless
Solubility (Turbidity)	Clear
at 20 g plus 80 ml of H ₂ O	
Water (by Karl Fischer)	≤ 9 %
A290 UV absorbance	≤ 0.05
20% W/W	
ICP-MS	≤ 5 ppm
(Total: Ag, As, Bi, Cd, Cu, Hg, Mo, Pb, Sb, Sn)	
pH	2.5 - 4.0
0.5M in H ₂ O	
Infrared spectrum	Conforms to Structure
Titration with NaOH	≥ 99.5 %
Anhydrous	
Source	Synthetic
Recommended Retest Period	-----
5 years	

Specification: PRD.3.ZQ5.1000009187

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.